

Converting Colors

CIELCh(9, 38.370, 326.247)

Have a look what the booklet for
CIELCh(9, 38.370, 326.247) contains.

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Color

CIELCh(9, 38.449, 325.702)

Conversions

Conversions Part 1

Format	Color
Hex	330137
RGB	51, 1, 55
RGB Percent	20%, 0%, 22%
CMY	0.8000, 0.9961, 0.7843
CMYK	0.07, 0.98, 0.00, 0.78
HSL	296°, 96%, 11%
HSV	296°, 98%, 22%
XYZ	2.0652, 1.0010, 3.6981
YIQ	22.1060, 12.4660, 27.3940

Conversions

Conversions Part 2

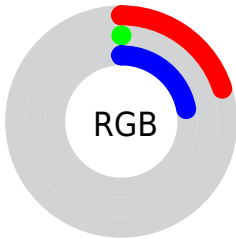
Format	Color
R_{YB}	51, 1, 55
Decimal	3342647
CIE Lab	9.00, 31.76, -21.67
CIE LCh	9, 38.449, 325.702
Yxy	1.0010, 0.3053, 0.1480
Android (android.graphics.Color)	4281532727 (0xFF330137)
YUV	22.1060, 16.2167, 25.3400
Hunter-Lab	10.0051, 19.3355, -14.9112

Details

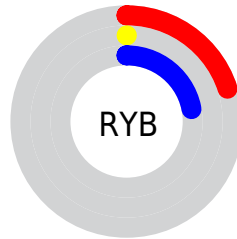
The CIELCh color **9, 38.449, 325.702** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **19, 37.925, 136.854**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **29, 38.086, 325.848**, and **0, 2.823, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **9, 39.060, 325.749**, and if you desaturate by 10%, it is **10, 35.285, 325.479**.

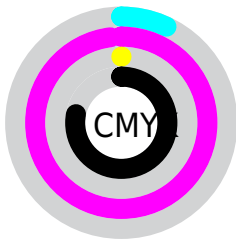
Distribution



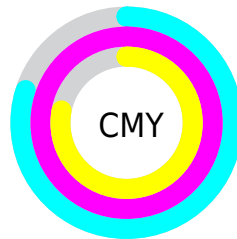
- Red (20%)
- Green (0%)
- Blue (22%)



- Red (20%)
- Yellow (0%)
- Blue (22%)



- Cyan (7%)
- Magenta (98%)
- Yellow (0%)
- Black (78%)



- Cyan (80%)
- Magenta (100%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 9, 38.449, 325.702 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 9, 38.449, 325.702 by changing the saturation by 10% instead.


 9, 38.449, 325.702

 9, 38.449, 325.702

 99, 38.449,
325.702


 0, 38.449, 325.702


 29, 38.449,
325.702

 39, 38.449,
325.702

 49, 38.449,
325.702

 59, 38.449,
325.702

 69, 38.449,
325.702

 79, 38.449,
325.702

89, 38.449,
325.702

9, 38.449, 325.702

9, 38.449, 325.702

9, 39.060, 325.749

10, 35.285,
325.479

11, 32.378,
325.303

12, 29.075,
325.074

13, 25.312,
324.776

15, 21.221,
324.426

16, 16.919,
324.038

■ 18, 12.502,
323.625

■ 20, 8.045, 323.198

■ 22, 3.603, 322.758

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



9, 38.449, 325.702



19, 37.925, 136.854

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



9, 38.449, 325.702



9, 38.449, 15.702



9, 38.449, 145.702



9, 38.449, 195.702

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



9, 38.448, 325.702



24, 16.004, 323.719



4, 34.379, 296.918



10, 10.761, 323.766



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



9, 38.448, 325.702



13, 46.337, 325.629



8, 29.565, 349.131



9, 2.478, 322.766



19, 55.007, 325.532



49, 103.590, 325.310

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



8, 28.459, 20.543



12, 36.095, 26.820



19, 29.536, 149.311



9, 1.465, 13.719



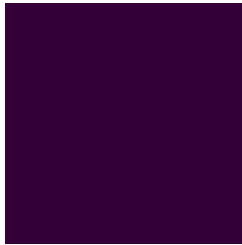
17, 44.763, 31.484



46, 90.291, 37.505

Previews

White Background



This preview shows how the CIELCh color 9, 38.449, 325.702 looks on a white background.

Color Contrast Check

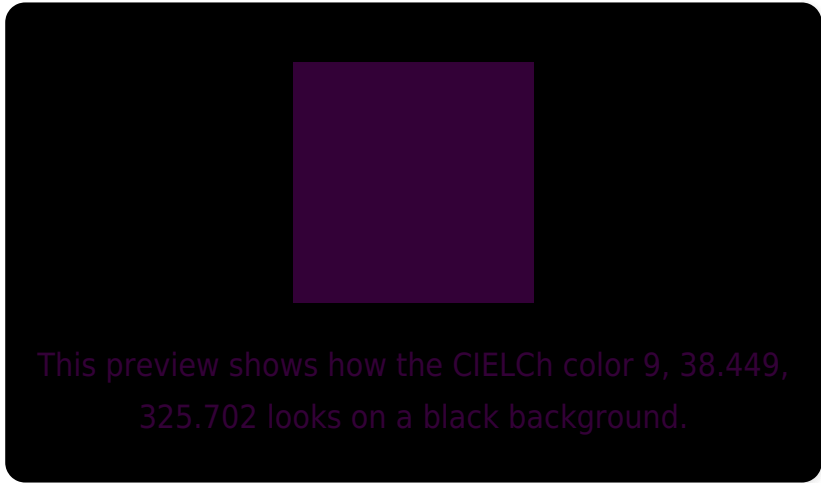
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

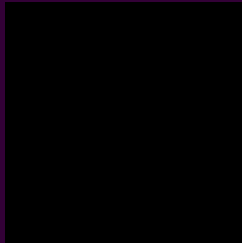
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 9, 38.449, 325.702

Background



This preview shows how black text looks on a background with the CIELCh color 9, 38.449, 325.702.



This preview shows how white text looks on a background with the CIELCh color 9, 38.449, 325.702.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

9, 38.449, 325.702

Protanopia

11, 23.923, 279.729

Deuteranopia

11, 16.724, 274.758



Tritanopia
11, 13.691, 20.991

Trichromacy



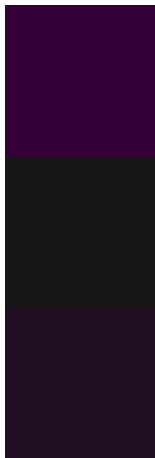
Original Color
9, 38.449, 325.702

Protanomaly
8, 29.714, 299.265

Deuteranomaly
9, 25.438, 303.411

Tritanomaly
10, 21.151, 343.326

Monochromacy



Original Color
9, 38.449, 325.702

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 16.935, 325.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 9, 38.449, 325.702 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(51, 1, 55)` looks like.

```
.text, #text, p{  
    color:rgb(51, 1, 55)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(51, 1, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 1, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 9, 38.449, 325.702 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 1, 55) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(51, 1, 55) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(51, 1, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 1, 55); -webkit-box-shadow:4px  
4px 4px 4px rgb(51, 1, 55); box-shadow:4px  
4px 4px 4px rgb(51, 1, 55) }
```

Background

The CSS property to change the background color of an element to CIELCh 9, 38.449, 325.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 1, 55) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(51, 1,  
55) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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